

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L4	82	("3204635" "3760808" "4424054" "5290295" "5395308").PN. OR ("5593412").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/04 13:43
L3	1	("5,593,412").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/04 13:40
L2	1	(10/682459).APP.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/04 12:54
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S541	5	S540 not (S524 S538 S536 S534 S532 S530 S528 S526 S523)	US-PGPUB; USPAT; EPO	OR	OFF	2010/10/01 15:56
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		6419669-\$ or US-6277140-\$ or US-6149667-\$ or US-6110184-\$ or US-6036720-\$ or US-6030364-\$ or US-5830125-\$ or US-5769862-\$ or US-5478354-\$ or US-3677243-\$ or US-7303552-\$ or US-7204840-\$ or US-6979319-\$ or US-6887251-\$ or US-6623460-\$ or US-6582390-\$ or US-6471709-\$ or US-6428498-\$ or US-6293927-\$ or US-6221081-\$ or US-6093194-\$ or US-6036698-\$ or US-6033413-\$).did. or (US-5992000-\$ or US-5957952-\$ or US-5755775-\$ or US-5743882-\$ or US-5300106-\$ or US-5190528-\$ or US-6077295-\$ or US-5782838-\$ or US-4596559-\$ or US-6517566-\$ or US-5250058-\$ or US-7074232-\$ or US-6080174-\$ or US-5540658-\$ or US-5454790-\$ or US-5431676-\$ or US-6494893-\$ or US-6325812-\$ or US-6508822-\$ or US-6309416-\$ or US-6979338-\$ or US-6602263-\$ or US-6440163-\$ or US-5397345-\$ or US-5817113-\$ or US-6179848-\$ or US-6187020-\$).did. or (US-6203553-\$ or US-6241743-\$ or US-6485513-\$ or US-6719777-\$ or US-6632238-\$ or US-7198631-\$ or US-5907893-\$ or US-7396359-\$ or US-6989003-\$ or US-6447540-\$).did. or (EP-774237-\$).did.				
S639	0	S638 not (S624 S636 S634 S632 S630 S628 S626 S623)	US-PGPUB; USPAT; EPO	OR	OFF	2010/10/01 15:56

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S535	135	S534 not (S524 S532 S530 S528 S526 S523)	US-PGPUB; USPAT; EPO	OR	OFF	2010/10/01 15:50

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		6623460-\$ or US-6592565-\$ or US-6591144-\$ or US-6582390-\$ or US-6576005-\$ or US-6533763-\$ or US-6497681-\$).did. or (US-6485513-\$ or US-6478813-\$ or US-6471709-\$ or US-6458151-\$ or US-6436068-\$ or US-6428498-\$ or US-6315789-\$ or US-6293927-\$ or US-6221081-\$ or US-6096022-\$ or US-6093194-\$ or US-6083207-\$ or US-6036698-\$ or US-6033413-\$ or US-5992000-\$ or US-5957952-\$ or US-5906612-\$ or US-5827243-\$ or US-5810884-\$ or US-5755775-\$ or US-5743882-\$ or US-5591226-\$ or US-5509897-\$ or US-5405320-\$ or US-5324306-\$ or US-5300106-\$ or US-5290310-\$).did. or (US-5190528-\$ or US-5064428-\$ or US-5176648-\$ or US-7011675-\$ or US-6939352-\$ or US-6447540-\$ or US-6077295-\$ or US-5782838-\$ or US-5690644-\$ or US-5643278-\$ or US-5601591-\$ or US-5591172-\$ or US-5562641-\$ or US-5433723-\$ or US-5201901-\$ or US-5192297-\$ or US-5026377-\$ or US-4994066-\$ or US-4596559-\$ or US-4503569-\$ or US-3868956-\$ or US-6517566-\$ or US-6432038-\$ or US-5417226-\$ or US-5256133-\$ or US-5250058-\$ or US-7074232-\$).did. or (US-6746489-\$ or US-5454821-\$ or US-7294136-\$ or US-6080174-\$ or US-5540658-\$ or US-5454790-\$ or US-5431676-\$ or US-4869717-\$ or US-4581025-\$ or US-6887249-\$ or US-6692499-\$ or US-6494893-\$ or US-6406479-\$ or US-6325812-\$ or US-5814058-\$ or US-6899727-\$).did. or (US-1064307-\$ or US-3382872-\$).did. or (EP-774237-\$).did.				
S533	25	S532 not (S524 S530 S528 S526 S523)	US-PGPUB; USPAT; EPO	OR	OFF	2010/10/01 15:49

S532	132	(US-20020072768-\$ or US-20030083679-\$ or US-20020042622-\$ or US-20080221614-\$ or US-20020111652-\$ or US-20040186545-\$ or US-20030139758-\$ or US-20030108397-\$ or US-20030077141-\$ or US-20020173808-\$ or US-20020099394-\$ or US-20020062618-\$ or US-20020004676-\$).did. or (US-6080182-\$ or US-6056770-\$ or US-6056769-\$ or US-6045570-\$ or US-5951589-\$ or US-5922009-\$ or US-5820631-\$ or US-5782861-\$ or US-5782844-\$ or US-5304184-\$ or US-5156609-\$ or US-6022372-\$ or US-5383896-\$ or US-6814743-\$ or US-6712831-\$ or US-6656207-\$ or US-6464712-\$ or US-6409739-\$ or US-6355050-\$ or US-5928266-\$ or US-5868778-\$ or US-5853421-\$ or US-6254550-\$ or US-5419765-\$ or US-5626601-\$ or US-5728122-\$).did. or (US-5792154-\$ or US-6280457-\$ or US-7166122-\$ or US-6468266-\$ or US-6193728-\$ or US-6165178-\$ or US-5941888-\$ or US-5853418-\$ or US-5833705-\$ or US-5690666-\$ or US-5582619-\$ or US-5382259-\$ or US-5304195-\$ or US-5261916-\$ or US-5250071-\$ or US-5234437-\$ or US-6238415-\$ or US-6743247-\$ or US-5509893-\$ or US-6599303-\$ or US-6517569-\$ or US-6461364-\$ or US-6102271-\$ or US-7169158-\$ or US-6780197-\$ or US-6712836-\$ or US-6699256-\$).did. or (US-6676671-\$ or US-6537288-\$ or US-6254642-\$ or US-5833698-\$ or US-5797933-\$ or US-5720755-\$ or US-5462561-\$ or US-4368736-\$ or US-4204541-\$ or US-7455680-\$ or US-7449011-\$ or US-7335220-\$ or US-7335219-\$ or US-	US-PGRUB; USPAT; USOCR; EPO	OR	OFF	2010/10/01 15:49
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		7201725-\$ or US-7048710-\$ or US-6942674-\$ or US-5951518-\$ or US-5910155-\$ or US-5275616-\$ or US-5192302-\$ or US-5167634-\$ or US-4772266-\$ or US-RE31855-\$ or US-6887417-\$ or US-6824554-\$ or US-6821287-\$ or US-6758854-\$).did. or (US-6692464-\$ or US-6258058-\$ or US-5919160-\$ or US-5765682-\$ or US-5735819-\$ or US-5250033-\$ or US-5222970-\$ or US-5158545-\$ or US-4983168-\$ or US-4166469-\$ or US-3877429-\$ or US-6391048-\$ or US-6197042-\$ or US-6152937-\$ or US-3586002-\$ or US-6964675-\$ or US-5674231-\$ or US-5593412-\$ or US-5868755-\$ or US-7398781-\$ or US-6695856-\$ or US-6651670-\$ or US-6632234-\$ or US-6579224-\$ or US-6322580-\$ or US-6312442-\$ or US-5873880-\$).did. or (US-5730756-\$ or US-6237607-\$ or US-6843795-\$ or US-6740101-\$ or US-6715976-\$ or US-6669719-\$ or US-6524283-\$ or US-6254628-\$ or US-6152609-\$).did. or (US-1064307-\$ or US-3382872-\$).did. or (EP-774237-\$).did.				
S531	77	S530 not (S524 S528 S526 S523)	US-PGPUB; USPAT; EPO	OR	OFF	2010/10/01 15:46
S530	102	(US-20020072768-\$ or US-20030083679-\$ or US-20020042622-\$).did. or (US-6080182-\$ or US-6056770-\$ or US-6056769-\$ or US-6045570-\$ or US-5951589-\$ or US-5922009-\$ or US-5820631-\$ or US-5782861-\$ or US-5782844-\$ or US-5304184-\$ or US-5156609-\$ or US-6022372-\$ or US-5383896-\$ or US-6814743-\$ or US-6712831-\$ or US-6656207-\$ or US-6464712-\$ or US-6409739-\$ or US-6355050-\$ or US-5928266-\$ or US-5868778-\$ or US-5853421-\$ or US-6254550-\$ or US-5419765-	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2010/10/01 15:45

		\$ or US-5626601-\$ or US-5728122-\$).did. or (US-5792154-\$ or US-6280457-\$ or US-7166122-\$ or US-6468266-\$ or US-6193728-\$ or US-6165178-\$ or US-5941888-\$ or US-5853418-\$ or US-5833705-\$ or US-5690666-\$ or US-5582619-\$ or US-5382259-\$ or US-5304195-\$ or US-5261916-\$ or US-5250071-\$ or US-5234437-\$ or US-6238415-\$ or US-6743247-\$ or US-5509893-\$ or US-6599303-\$ or US-6517569-\$ or US-6461364-\$ or US-6102271-\$ or US-7169158-\$ or US-6780197-\$ or US-6712836-\$ or US-6699256-\$).did. or (US-6676671-\$ or US-6537288-\$ or US-6254642-\$ or US-5833698-\$ or US-5797933-\$ or US-5720755-\$ or US-5462561-\$ or US-4368736-\$ or US-4204541-\$ or US-7455680-\$ or US-7449011-\$ or US-7335220-\$ or US-7335219-\$ or US-7201725-\$ or US-7048710-\$ or US-6942674-\$ or US-5951518-\$ or US-5910155-\$ or US-5275616-\$ or US-5192302-\$ or US-5167634-\$ or US-4772266-\$ or US-RE31855-\$ or US-6887417-\$ or US-6824554-\$ or US-6821287-\$ or US-6758854-\$).did. or (US-6692464-\$ or US-6258058-\$ or US-5919160-\$ or US-5765682-\$ or US-5735819-\$ or US-5250033-\$ or US-5222970-\$ or US-5158545-\$ or US-4983168-\$ or US-4166469-\$ or US-3877429-\$ or US-6391048-\$ or US-6197042-\$ or US-6152937-\$ or US-3586002-\$ or US-6964675-\$).did. or (US-1064307-\$ or US-3382872-\$).did. or (EP-774237-\$).did.				
S529	4	S528 not (S524 S526 S523)	US-PGPUB; USPAT; EPO	OR	OFF	2010/10/01 15:45

S528	24	(US-20020077657-\$ or US-20030023267-\$ or US-20050234508-\$ or US-20050256537-\$ or US-20010047180-\$).did. or (US-5545178-\$ or US-5531757-\$ or US-5441517-\$ or US-RE34866-\$ or US-5192302-\$ or US-5292332-\$ or US-5342393-\$ or US-5391183-\$ or US-5437631-\$ or US-5591204-\$ or US-5649959-\$ or US-5690674-\$ or US-5725498-\$ or US-6197042-\$ or US-6200328-\$ or US-6325789-\$ or US-6334865-\$ or US-5413584-\$ or US-6183465-\$).did. or (US-20050273136-A-\$ or WO-0245593-A-\$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/10/01 15:45
S527	20	S526 not (S524 S523)	US-PGPUB; USPAT; EPO	OR	OFF	2010/10/01 15:43
S526	24	(US-20010003158-\$ or US-20020077657-\$ or US-20030023267-\$).did. or (US-6007563-\$ or US-5935147-\$ or US-5545178-\$ or US-5531757-\$ or US-5441517-\$ or US-RE34866-\$ or US-5192302-\$ or US-5292332-\$ or US-5342393-\$ or US-5391183-\$ or US-5437631-\$ or US-5591204-\$ or US-5649959-\$ or US-5690674-\$ or US-5725498-\$ or US-5893856-\$ or US-6197042-\$ or US-6200328-\$ or US-6325789-\$ or US-6334865-\$ or US-5413584-\$).did.	US-PGPUB; USPAT	OR	OFF	2010/10/01 15:43
S525	31	S524 not S523	US-PGPUB; USPAT; EPO	OR	OFF	2010/10/01 15:38
S524	40	(US-20060020270-\$ or US-20050273136-\$ or US-20050119695-\$ or US-20040167570-\$ or US-20040153123-\$ or US-20040153122-\$ or US-20040009289-\$ or US-20030195561-\$ or US-20030158578-\$ or US-20030158577-\$ or US-20030125766-\$ or US-20030004543-\$ or US-20020193808-\$ or US-20020082641-\$ or US-20020072768-\$ or US-	US-PGPUB; USPAT	OR	OFF	2010/10/01 15:38

		20020026215-\$ or US-20020026208-\$ or US-20040073255-\$).did. or (US-6080183-\$ or US-6080182-\$ or US-6007563-\$ or US-5830125-\$ or US-5674231-\$ or US-5304184-\$ or US-5222974-\$ or US-5061274-\$ or US-4852568-\$ or US-4744364-\$ or US-4525157-\$ or US-4318401-\$ or US-6749621-\$ or US-6695867-\$ or US-6645205-\$ or US-6428548-\$ or US-6391048-\$ or US-6110184-\$ or US-6063085-\$ or US-5690674-\$ or US-5547474-\$ or US-6197042-\$).did.				
S523	81	(US-20020072768-\$ or US-20030083679-\$ or US-20020151921-\$ or US-20020107542-\$ or US-20020077657-\$ or US-20020026208-\$ or US-20020123786-\$ or US-20020062129-\$ or US-20020035391-\$ or US-20010004699-\$ or US-20020029064-\$ or US-20010039430-\$).did. or (US-5820631-\$ or US-6656207-\$ or US-6599303-\$ or US-6780197-\$ or US-6699256-\$ or US-6676671-\$ or US-6254642-\$ or US-5720755-\$ or US-4204541-\$ or US-4772266-\$ or US-5735819-\$ or US-5250033-\$ or US-5158545-\$ or US-4983168-\$ or US-6391048-\$ or US-6197042-\$ or US-6152937-\$ or US-5674231-\$ or US-5868755-\$ or US-6651670-\$ or US-6322580-\$ or US-5873880-\$ or US-5868707-\$ or US-4921479-\$ or US-4738666-\$ or US-6348064-\$).did. or (US-6645205-\$ or US-5695504-\$ or US-5320639-\$ or US-5318542-\$ or US-6755842-\$ or US-6533762-\$ or US-6506210-\$ or US-6428548-\$ or US-6419669-\$ or US-6149667-\$ or US-6110184-\$ or US-6036720-\$ or US-5830125-\$ or US-5769862-\$ or US-5478354-\$ or US-	US-PGPUB; USPAT; EPO	OR	OFF	2010/10/01 15:26

		6471709-\$ or US-6221081-\$ or US-6093194-\$ or US-6036698-\$ or US-6033413-\$ or US-5300106-\$ or US-5190528-\$ or US-6077295-\$ or US-5782838-\$ or US-6517566-\$ or US-5250058-\$ or US-7074232-\$).did. or (US-6080174-\$ or US-5454790-\$ or US-5431676-\$ or US-6325812-\$ or US-6508822-\$ or US-6309416-\$ or US-6979338-\$ or US-6602263-\$ or US-6440163-\$ or US-5397345-\$ or US-5817113-\$ or US-6179848-\$ or US-6187020-\$ or US-6203553-\$ or US-6241743-\$).did. or (EP-774237-\$).did.				
S522	19	("5192300" "5324306" "5354271" "5441517" "5522840" "5741223" "5792152" "5868778" "5906631" "5984948" "6017359").PN. OR ("6110184").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/01 15:22
S521	1	("6695867").PN.	USPAT; USOCR	OR	OFF	2010/10/01 15:21
S520	22	(US-20040073255-\$ or US-20050234508-\$ or US-20010047180-\$).did. or (US-5304184-\$ or US-5061274-\$ or US-6110184-\$ or US-5690674-\$ or US-5547474-\$ or US-6080183-\$ or US-RE34866-\$ or US-5192302-\$ or US-5292332-\$ or US-5342393-\$ or US-5391183-\$ or US-5437631-\$ or US-5591204-\$ or US-5725498-\$ or US-6197042-\$ or US-6200328-\$ or US-6325789-\$ or US-6334865-\$ or US-5413584-\$).did. or (US-20050273136-A-\$ or WO-0245593-A-\$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/10/01 15:19
S519	43	((ANTHONY) near2 (PANTAGES)).INV.	US-PGPUB; USPAT	OR	OFF	2010/10/01 14:43
S518	154	((RICHARD) near2 (GINN)).INV.	US-PGPUB; USPAT	OR	OFF	2010/10/01 14:43

S517	238	("0268632" "0536321" "0589584" "0733723" "1142510" "1801850" "2058020" "2345053" "2384477" "2910067" "2919621" "3068869" "3385299" "3757629" "4170990" "4407286" "4485816" "4523591" "4592346" "4610251" "4708558" "4730971" "4744365" "4793335" "4887601" "5026390" "5089009" "5222508" "5246443" "5250058" "5366462").PN. OR ("5478354").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/01 13:53
S516	92	("20010031972" "20030009180" "20030093096" "3586002" "3604425" "3677243" "3757629" "3805337" "4192315" "4217902" "4345606" "4396139" "4411654" "4412832" "4485816" "4505274" "4586503" "4687469" "4772266" "4777950" "4860746" "4865026" "4917087" "4950258" "5007921" "5026390" "5053008" "5108420" "5156609" "5167634" "5176648" "5192302" "5222974" "5275616" "5304184" "5318542" "5334217" "5366458" "5478354" "5527322" "5674231" "5683405" "5695505" "5782844" "5782860" "5782861" "5810846" "5810851" "5817113" "5820631" "5830125" "5879366" "5910155" "5922009" "5951518" "5951589" "5964782" "5984934" "5993468" "6007563" "6036720" "6045570" "6056769" "6056770" "6063085" "6077281" "6077291" "6080182" "6080183" "6113612" "6120524" "6152937" "6197042" "6348064" "6391048" "6461364" "RE31855"). PN. OR ("6695867").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/01 13:50

S515	92	("3604425" "3757629" "3805337" "4192315" "4217902" "4396139" "4485816" "4586503" "4777950" "4860746" "4917087" "5007921" "5026390" "5053008" "5061274" "5156609" "5176648" "5192302" "5222974" "5304184" "5366458" "5478354" "5527322" "5674231" "5683405" "5695505" "5782844" "5782861" "5810846" "5810851" "5830125" "5910155" PN. OR ("6197042").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/01 13:34
S514	103	("2513771" "4532134" "4744364" "4852568" "4854320" "4929240" "5021059" "5030226" "5053046" "5061274" "5100420" "5108421" "5129882" "5156608" "5156613" "5192300" "5192301" "5192302" "5207670" "5217473" "5221259" "5222974" "5226908" "5254105" "5275616" "5282827" "5290310" "5292332" "5310407" "5342393" "5370660" "5383896" "5383897" "5383899" "5391183" "5411520" "5413571" "5415657" "5417699" "5437631" "5441517" "5443477" "5443481" "5447502" "Re34866").PN. OR ("5674231").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/01 13:34
S513	116	("4838280" "5290310"). PN. OR ("5437631").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/01 13:32
S512	116	("4838280" "5290310"). PN. OR ("5437631").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/01 13:26

S511	55	("3868956" "4166469" "4503569" "4596559" "4738666" "4830003" "4921479" "4994066" "5026377" "5044369" "5192297" "5201901" "5224953" "5344425" "5395349" "5433723" "5562641" "5571172" "5591172" "5591226" "5601591" "5607466" "5643278" "5667514" "5667522" "5690644" "5766203" "5766237" "5782838" "5782847" "5868707" "6077295" "6447540").PN. OR ("6517569").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/01 13:26
S510	2	((("5192302" or ("5593412")).PN.	USPAT; USOCR	OR	OFF	2010/10/01 12:59
S509	1	("6517569").PN.	USPAT; USOCR	OR	OFF	2010/10/01 12:57
S508	1	("5437631").PN.	USPAT; USOCR	OR	OFF	2010/10/01 12:54
S507	92	("3604425" "3757629" "3805337" "4192315" "4217902" "4396139" "4485816" "4586503" "4777950" "4860746" "4917087" "5007921" "5026390" "5053008" "5061274" "5156609" "5176648" "5192302" "5222974" "5304184" "5366458" "5478354" "5527322" "5674231" "5683405" "5695505" "5782844" "5782861" "5810846" "5810851" "5830125" "5910155").PN. OR ("6197042").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/01 12:53
S506	1	("6197042").PN.	USPAT; USOCR	OR	OFF	2010/10/01 12:53
S505	3	((("5674231" or ("6447540" or ("5868755")).PN.	USPAT; USOCR	OR	OFF	2010/10/01 12:46

S504	103	"2513771" "4532134" "4744364" "4852568" "4854320" "4929240" "5021059" "5030226" "5053046" "5061274" "5100420" "5108421" "5129882" "5156608" "5156613" "5192300" "5192301" "5192302" "5207670" "5217473" "5221259" "5222974" "5226908" "5254105" "5275616" "5282827" "5290310" "5292332" "5310407" "5342393" "5370660" "5383896" "5383897" "5383899" "5391183" "5411520" "5413571" "5415657" "5417699" "5437631" "5441517" "5443477" "5443481" "5447502" "Re34866").PN. OR ("5674231").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/01 11:03
S503	7	((("5674231") or ("6197042") or ("6626918") or ("6391048") or ("5835147") or ("20050090859") or ("20020072768")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/01 11:03
S502	94	("1064307" "3518993" "3653388" "3774438" "3888117" "4064881" "4166466" "4263899" "4317455" "4325376" "4351466" "4440170" "4487204" "4492232" "4523592" "4530698" "4534351" "4539990" "4593693" "4610671" "4611595" "4616650" "4622970" "4651733" "4668221" "4693249" "4738658" "4772266" "4865593" "4889112" "4917087" "4921479" "4930674" "4931058" "4934364" "4961729" "4984564" "5015239" "5015249" "5057083" "5066285" "5104394" "5139486" "5147381" "5176128" "5176129" "5205830" "5207229" "5257979" "5275611" "5282827" "5292311" "5297714" "5300065"	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/01 11:03

		"5306254" "5306259" "5318542" "5320611" "5342373" "5360397" "5383881" "5383896" "5411520" "5417699" "5441504" "5509893" "5531759" "5536251" "5545178" "5573517" "5577993" "5580344" "5596990" "5613948" "5645566" "5649911" "5649959" "5662681" "5674231" "5676689" "5725551" "5810810" "5910155").PN. OR ("6287322").URPN.				
S501	104	S500 and S482	US-PGPUB; USPAT	OR	OFF	2010/10/01 11:03
S500	1000	S498 and S499	US-PGPUB; USPAT	OR	OFF	2010/10/01 11:03
S499	56930	closure with (element device instrument)	US-PGPUB; USPAT	OR	OFF	2010/10/01 11:03
S498	17665	S496 with S497	US-PGPUB; USPAT	OR	OFF	2010/10/01 11:03
S497	574218	sheath sleeve cannula	US-PGPUB; USPAT	OR	OFF	2010/10/01 11:03
S496	455066	staple fastener clip	US-PGPUB; USPAT	OR	OFF	2010/10/01 11:03
S495	1	2005-810509.NRAN.	DERWENT	OR	OFF	2010/10/01 11:03
S494	1	("6782503").PN.	USPAT; USOCR	OR	OFF	2010/10/01 11:03
S493	1	("6391048").PN.	USPAT; USOCR	OR	OFF	2010/10/01 11:03
S492	1	("6197042").PN.	USPAT; USOCR	OR	OFF	2010/10/01 11:03
S491	143	(guide adj wire) same (closure with device)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/01 11:03
S490	36	("20020058962" "20030130689" "3174851" "3351463" "3753700" "4994069" "5122136" "5226911" "5234437" "5250017" "5250071" "5261916" "5304194" "5304195" "5312415" "5350397" "5354295" "5382259" "5549624" "5582619" "5690666" "5833705" "5853418" "5881732" "5941888" "5984947" "6165178" "6193728" "6270524" "6280457"	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/01 11:03

		"6361558" "6468266"). PN. OR ("7166122").URPN.				
S489	102	("3174851" "3351463" "3753700" "4739768" "4820298" "4994069" "5122136" "5226911" "5234437" "5250071" "5261916" "5304194" "5304195" "5312415" "5350397" "5354295" "5382259" "5382260" "5417708" "5423829" "5423849" "5522822" "5527338" "5536274" "5549624" "5582619" "5624461" "5639277" "5645082" "5645558" "5649949" "5669931" "5690666" "5700258" "5718711" "5749894" "5792154" "5797953" "5830230" "5843118" "5853418" "5863366"). PN. OR ("6280457").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/01 11:03
S488	24	("3687129" "4994069" "5095917" "5192301" "5226911" "5304194" "5382259" "5443478" "5573547" "5582619"). PN. OR ("5792154").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/01 11:03
S487	451	S482 and S485	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/01 11:03
S486	590937	S481 and S485	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/01 11:03
S485	590937	S481 same S484	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/01 11:03
S484	2750484	plug seal\$3 clip clamp	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/01 11:03
S483	1009	S481 and S482	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/01 11:03
S482	1563	(606/213).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/01 11:03
S481	2563567	helical spring coil (guide adj wire)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/01 11:03
S480	20	("5370660" "5383896" "5391183" "5411520" "5419765" "5486195" "5649959").PN. OR ("5853421").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/01 11:03
S479	40	("4744364" "4852568" "4890612" "5108421" "5171259" "5383896" "5419765" "5454833"). PN. OR ("5922009").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/01 11:03

S478	173	("2862497" "4555242" "4701163" "4738658" "4852568" "4890612" "5021059" "5042985" "5053046" "5061274" "5108421" "5129882" "5159937" "5176692" "5222974" "5250025"). PN. OR ("5383896").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/01 11:03
S477	102	("20030009180" "20030093096" "3586002" "3604425" "3677243" "3757629" "3805337" "4192315" "4217902" "4345606" "4396139" "4411654" "4412832" "4485816" "4505274" "4586503" "4687469" "4772266" "4777950" "4860746" "4865026" "4917087" "4950258" "5007921" "5026390" "5053008" "5108420" "5156609" "5167634" "5176648" "5192302" "5222974" "5275616" "5304184" "5318542" "5334217" "5366458" "5478354" "5527322" "5674231" "5683405" "5695505" "5728114" "5782844" "5782860" "5782861" "5810846" "5810851" "5817113" "5820631" "5830125" "5879366" "5910155" "5922009" "5951518" "5951589" "5964782" "5984934" "6007563" "6036720" "6045570" "6056769" "6056770" "6063085" "6077281" "6077291" "6080182" "6080183" "6120524" "6197042" "6348064" "6695867" RE31855").PN. OR ("6942674").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/01 11:03
S476	104	S475 and S468	US-PGPUB; USPAT	OR	OFF	2010/10/01 11:02
S475	1000	S473 and S474	US-PGPUB; USPAT	OR	OFF	2010/10/01 11:02
S474	56930	closure with (element device instrument)	US-PGPUB; USPAT	OR	OFF	2010/10/01 11:02
S473	17665	S471 with S472	US-PGPUB; USPAT	OR	OFF	2010/10/01 11:02

S472	574218	sheath sleeve cannula	US-PGPUB; USPAT	OR	OFF	2010/10/01 11:02
S471	455066	staple fastener clip	US-PGPUB; USPAT	OR	OFF	2010/10/01 11:02
S470	590937	S467 same S469	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/01 11:02
S469	2750484	plug seal\$3 clip clamp	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/01 11:02
S468	1563	(606/213).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/01 11:02
S467	2563567	helical spring coil (guide adj wire)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/01 11:02
S466	17665	S464 with S465	US-PGPUB; USPAT	OR	OFF	2010/10/01 11:02
S465	574218	sheath sleeve cannula	US-PGPUB; USPAT	OR	OFF	2010/10/01 11:02
S464	455066	staple fastener clip	US-PGPUB; USPAT	OR	OFF	2010/10/01 11:02
S463	3	((("5782861") or ("6569173") or ("6613059"))).PN.	USPAT; USOCR	OR	OFF	2010/10/01 11:02
S462	2	((("6569173") or ("5695504"))).PN.	USPAT; USOCR	OR	OFF	2010/10/01 11:02
S461	4	US-1323335-\$.D.ID. OR US- 7396359-\$.D.ID. OR US- 5250058-\$.D.ID.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/01 11:02
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S457	301	(anchor fastener staple) same ((peel-away (peel adj away) peelaway tear\$4) with (sheath cannula sleeve))	US-PGRUB; USPAT	OR	ON	2010/10/01 11:02

S456	127	((fastener staple anchor closure) same slid\$5 same (sheath sleeve skin canula cannula) same (peel-away peel-away ((peel peel) adj away) peelaway peelaway tear\$5)	US-PGPUB; USPAT	OR	ON	2010/10/01 11:02
S455	97	((fastener staple anchor) same slid\$5 same (sheath sleeve skin canula cannula) same (peel-away peel-away ((peel peel) adj away) peelaway peelaway tear\$5)	US-PGPUB; USPAT	OR	ON	2010/10/01 11:02
S454	4	((fastener staple anchor) same carr\$4 same slid\$5 same (sheath sleeve skin canula cannula) same (peel-away peel-away ((peel peel) adj away) peelaway peelaway tear\$5)	US-PGPUB; USPAT	OR	ON	2010/10/01 11:02
S453	4	((fastener staple anchor) same carr\$4 same slid\$5 same (sheath sleeve skin) same (peel-away peel-away ((peel peel) adj away) peelaway peelaway tear\$5)	US-PGPUB; USPAT	OR	ON	2010/10/01 11:02
S452	6	closure same carr\$4 same slid\$5 same (sheath sleeve skin) same (peel-away peel-away ((peel peel) adj away) peelaway peelaway tear\$5)	US-PGPUB; USPAT	OR	ON	2010/10/01 11:02
S451	24	("20010047180").PN. OR ("6623510").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/01 11:02
S450	32	("20010037808" "20010052344" "20020112729" "3683655" "3757783" "5306234" "5588424" "5588992" "5707352" "5855601" "5904648" "5954636" "5954766" "6003517" "6020380" "6027525" "6174323" "6258100" "6287290" "6293951" "6327505" "6348064").PN. OR ("6645205").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/01 11:02

S449	95	("3586002" "3604425" "3757629" "3805337" "4192315" "4217902" "4396139" "4485816" "4505274" "4586503" "4777950" "4860746" "4865026" "4917087" "4950258" "5007921" "5026390" "5053008" "5061274" "5108420" "5156609" "5176648" "5192302" "5222974" "5304184" "5334217" "5366458" "5478354" "5527322" "5674231" "5683405" "5695505" "5782844" "5782861" "5810846" "5810851" "5817113" "5820631" "5830125" "5879366" "5910155" "5964782" "5984934" "6007563" "6036720" "6063085" "6077281" "6077291" "6080182" "6080183" "6120524").PN. OR ("6391048").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/01 11:02
S448	21	("2002/0026208").URPN.	USPAT	OR	OFF	2010/10/01 11:02
S447	19	("5192300" "5324306" "5354271" "5441517" "5522840" "5741223" "5792152" "5868778" "5906631" "5984948" "6017359").PN. OR ("6110184").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/01 11:02
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S445	30	("3868956" "4503569" "4830003" "4994066" "5044369" "5192297" "5201901" "5224953" "5344425" "5562641" "5601591" "5607466" "5667522" "5766237"). PN. OR ("6093194").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/01 11:02
S444	10	("5674231" "6113612" "6152937" "6582452" "6602263" "6623510" "6726704" "6926731"). PN. OR ("7001398").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/01 11:02

S443	103	("2513771" "4532134" "4744364" "4852568" "4854320" "4929240" "5021059" "5030226" "5053046" "5061274" "5100420" "5108421" "5129882" "5156608" "5156613" "5192300" "5192301" "5192302" "5207670" "5217473" "5221259" "5222974" "5226908" "5254105" "5275616" "5282827" "5290310" "5292332" "5310407" "5342393" "5370660" "5383896" "5383897" "5383899" "5391183" "5411520" "5413571" "5415657" "5417699" "5437631" "5441517" "5443477" "5443481" "5447502" "Re34866").PN. OR ("5674231").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/01 11:02
S442	151	("20010007077" "20010021855" "20010021856" "20010023352" "20020072768" "20020082641" "20020133193" "20020151921" "20020156495" "20020193808" "20030078598" "20030097140" "20030100920" "20030109890" "20030158577" "20030158578" "20030229367" "20030229368" "20040002681" "20040010285" "20040059375" "20040073236" "20040073255" "20040092965" "20040153122" "20040153123" "20040176798" "20040193189" "20040225301" "20050021054" "20050021062" "20050080435" "20050090834" "20050090843"	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/01 11:02

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S440	197	S439 not (S437 S436)	US-PGPUB; USPAT	OR	ON	2010/10/01 11:02
S439	234	(stent) same ((peal-away (peel adj away) peelaway tear\$4) with (sheath cannula sleeve))	US-PGPUB; USPAT	OR	ON	2010/10/01 11:02
S438	279	S437 not S436	US-PGPUB; USPAT	OR	ON	2010/10/01 11:02
S437	301	(anchor fastener staple) same ((peal-away (peel adj away) peelaway tear\$4) with (sheath cannula sleeve))	US-PGPUB; USPAT	OR	ON	2010/10/01 11:02
S436	208	(closure) same ((peal-away (peel adj away) peelaway tear\$4) with (sheath cannula sleeve))	US-PGPUB; USPAT	OR	ON	2010/10/01 11:02
S435	235	S434 same (anchor plug)	US-PGPUB; USPAT	OR	ON	2010/10/01 11:02
S434	5397	(sleeve sheath) with tear\$4	US-PGPUB; USPAT	OR	ON	2010/10/01 11:02
S433	104	S432 and S416	US-PGPUB; USPAT	OR	OFF	2010/10/01 11:02
S432	1000	S430 and S431	US-PGPUB; USPAT	OR	OFF	2010/10/01 11:02
S431	56930	closure with (element device instrument)	US-PGPUB; USPAT	OR	OFF	2010/10/01 11:02
S430	17665	S428 with S429	US-PGPUB; USPAT	OR	OFF	2010/10/01 11:02
S429	574218	sheath sleeve cannula	US-PGPUB; USPAT	OR	OFF	2010/10/01 11:02
S428	455066	staple fastener clip	US-PGPUB; USPAT	OR	OFF	2010/10/01 11:02
S427	590937	S425 same S426	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/01 11:02
S426	2750484	plug seal\$3 clip clamp	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/01 11:02
S425	2563567	helical spring coil (guide adj wire)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/01 11:02

S424	94	("1064307" "3518993" "3653388" "3774438" "3888117" "4064881" "4166466" "4263899" "4317455" "4325376" "4351466" "4440170" "4487204" "4492232" "4523592" "4530698" "4534351" "4539990" "4593693" "4610671" "4611595" "4616650" "4622970" "4651733" "4668221" "4693249" "4738658" "4772266" "4865593" "4889112" "4917087" "4921479" "4930674" "4931058" "4934364" "4961729" "4984564" "5015239" "5015249" "5057083" "5066285" "5104394" "5139486" "5147381" "5176128" "5176129" "5205830" "5207229" "5257979" "5275611" "5282827" "5292311" "5297714" "5300065" "5306254" "5306259" "5318542" "5320611" "5342373" "5360397" "5383881" "5383896" "5411520" "5417699" "5441504" "5509893" "5531759" "5536251" "5545178" "5573517" "5577993" "5580344" "5596990" "5613948" "5645566" "5649911" "5649959" "5662681" "5674231" "5676689" "5725551" "5810810" "5910155").PN. OR ("6287322").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/01 11:02
S423	104	S422 and S417	US-PGPUB; USPAT	OR	OFF	2010/10/01 11:02
S422	1000	S420 and S421	US-PGPUB; USPAT	OR	OFF	2010/10/01 11:02
S421	56930	closure with (element device instrument)	US-PGPUB; USPAT	OR	OFF	2010/10/01 11:02
S420	17665	S418 with S419	US-PGPUB; USPAT	OR	OFF	2010/10/01 11:02
S419	574218	sheath sleeve cannula	US-PGPUB; USPAT	OR	OFF	2010/10/01 11:02
S418	455066	staple fastener clip	US-PGPUB; USPAT	OR	OFF	2010/10/01 11:02

S417	1563	(606/213).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/01 11:02
S416	1563	(606/213).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/01 11:02

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\ 10682459 closure device glenn.wsp**